

AD A 052834

SDCS-ER-76-118

(1)

**SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
Novaya Zemlya, SSR 20 October 1976**

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February 1978

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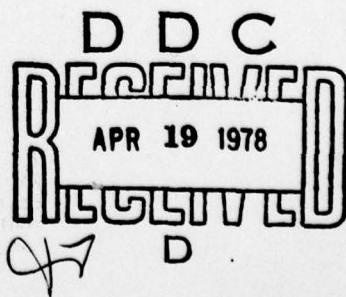
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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

(14)

REPORT DOCUMENTATION PAGE

READ INSTRUCTIONS
BEFORE COMPLETING FORM

1. REPORT NUMBER

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Novaya Zemlya, SSR 20 October 1976

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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

SDCS Event Report No. 118

Novaya Zemlya, SSR 20 October 1976

This event report contains seismic data from the Special Data Collection System (SDCS), and other sources for the above event. Published epicenter information from seismic observations is:

	"P" Arrival	Origin Time	Lat.	Long.	m_b	M_s
LASA	08:10:04.6	Unpublished	75.5N	053.0E	5.1	N/A
Hagfors	08:04:35	08:00:07	74N	050E	5.7	N/A

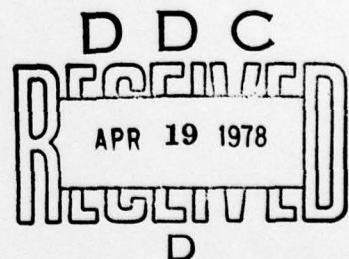
All SDCS stations were operational during this time period, and all recorded positive short-period signals for this event. Horizontal channels were rotated at all stations except NT2NV which had an inoperative SPT trace. Long period at all SDCS stations was negative.

LASA short-period data is from the LASA Data Center Teleseismic Report. Hagfors short-period data is from their bulletin.

Only NORSAR short-period waveform data could be recovered from the SDAC/VELA network detection processor.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response)

ACCESSION NO.	
NT18	White Section <input checked="" type="checkbox"/>
S00	Grey Section <input type="checkbox"/>
UNANNOUNCED	
JUSTIFICATION.....	
BY.....	
DISTRIBUTION/AVAILABILITY CODES	
DIST.	AVAIL. AND/OR SPECIAL
A	



STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES DEG MN SEC'S	ELEVATION METERS	INSTRUMENTATION SHORT-PERIOD LONG-PERIOD
HN-ME	Houlton, Maine	46 09 43.0 N 067 59 09.0 W	213	KS36000 KS36000
RK-ON	Red Lake, Ontario	50 50 20.0 N 093 40 20.0 W	366	SL210 V SL220 H
OB2NV	Nevada Test Site	37 13 31.0 N 116 03 28.0 W	18300	N/A
NT-NV	Nevada Test Site	31 16 33.0 N 116 25 06.0 W	18300	N/A
NT2NV	Nevada Test Site	37 15 16.0 N 116 18 13.0 W	18300	N/A
LASA	Billings, Montana	46 41 19.0 N 106 13 20.0 W	744	HS10 7505A V 8700C H
NORSAR	Kjeller, Norway	60 49 25.4 N 010 49 56.5 E	379	7505A V 8700C H

PFEDA -- TRAVEL TIME PREDICTIONS --

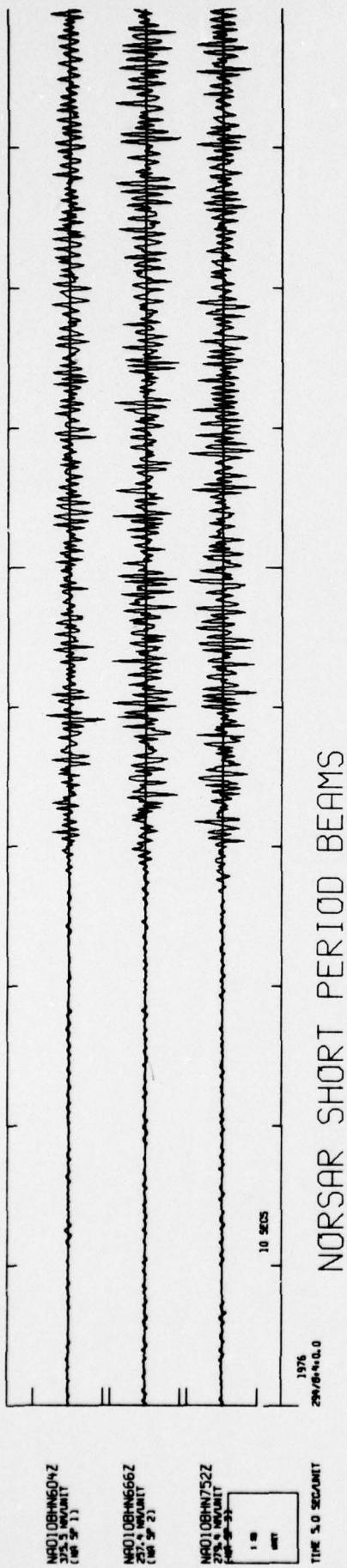
20OCT INPUT FOR EVENT 20 OCT 76
 08:00:00.0 73.001N 55.000E 0KM.

STA.	TIME	TRAV. TIME	SURF(OKM.)		DIST		AZI	
			DEG.	KM.	PVT-STA	STA-EVT		
HFS P	08 04	36.0	20.28	2254.5337	252.421	34.078		
NAO P	08 04	38.7	20.52	2281.7690	256.894	35.783		
RK-ON P	08 09	28.4	54.57	6067.5977	336.134	10.819		
HN-ME P	08 09	30.4	54.84	6098.0703	314.512	17.567		
LAO P	08 10	06.1	59.90	6660.5937	345.159	6.284		
NT-NV P	08 11	11.5	69.86	7767.7617	352.716	2.680		
NT2NV P	08 11	11.6	69.87	7769.7031	352.603	2.721		
OB3NV P	08 11	11.6	69.89	7771.0234	352.405	2.792		
OB2NV P	08 11	11.7	69.89	7771.8672	352.407	2.791		

67 HERRIN TRAVEL TIME TABLES

SURF		
6	.	0
1	.	0
0	0	0
.	.	.
0	2	0
0	.	0
0	0	0

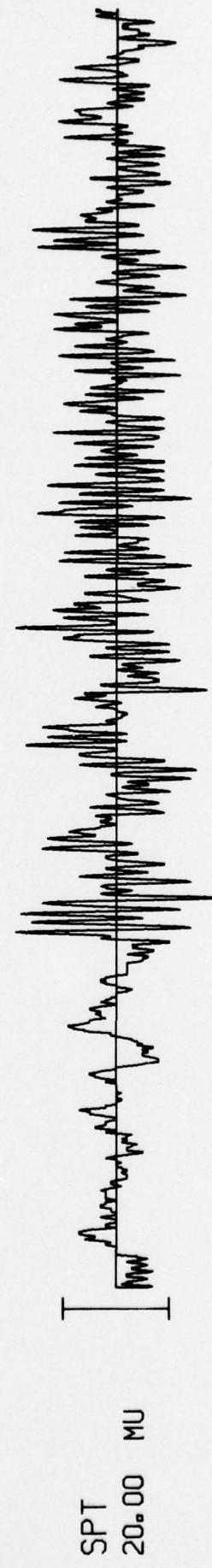
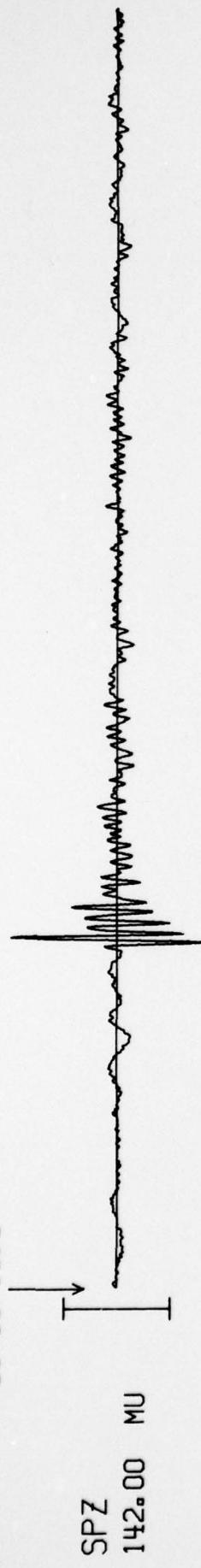
95 PERCENT CONFIDENCE ON DEPTH CHISQUARE WITH DISTANCE VARIANCE = ± 0.000



NORSAR SHORT PERIOD BEAMS

RK-ON 20 OCT 76

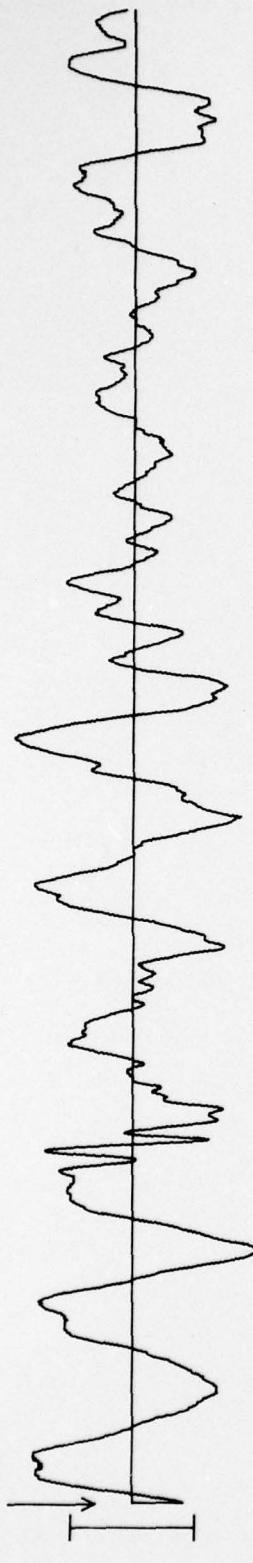
08:09:10.0



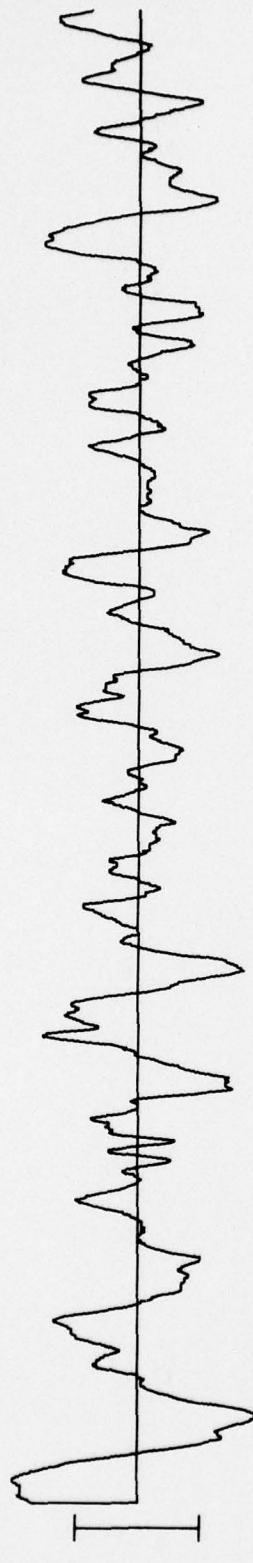
HN-ME 20 OCT 76

08:09:15.0

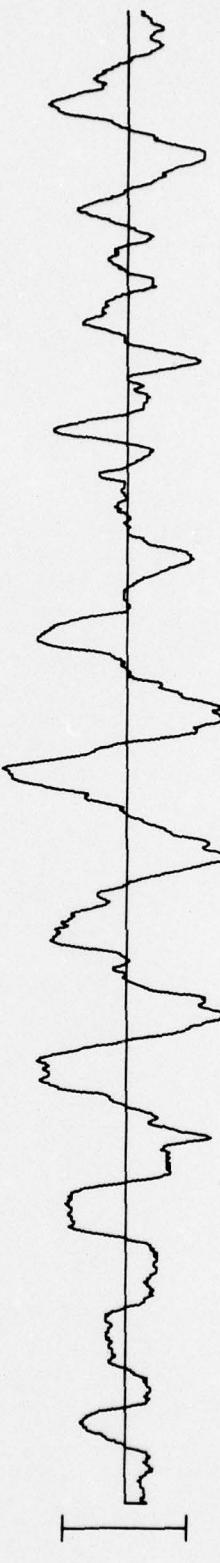
SPZ 44.00 MU



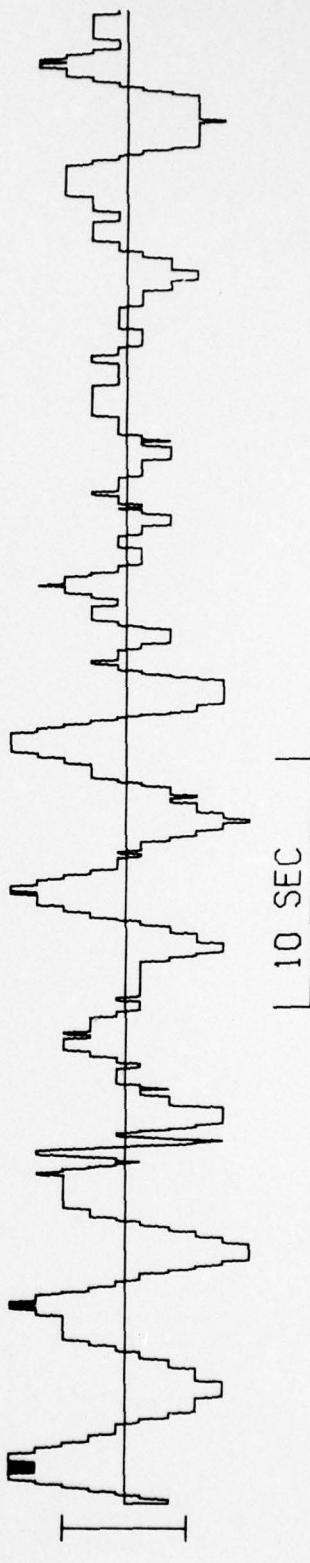
SPR 34.00 MU



SPT 39.00 MU

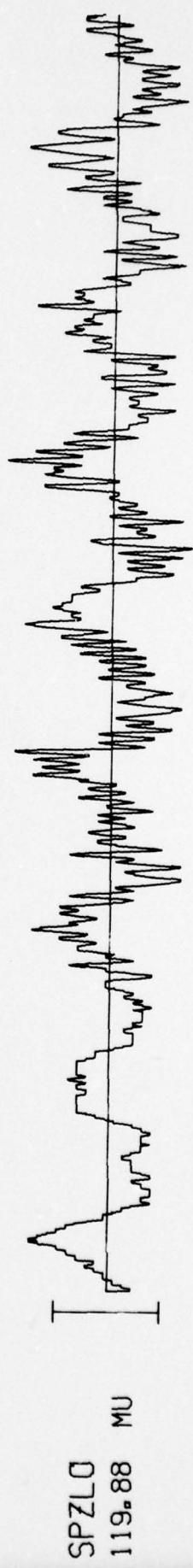
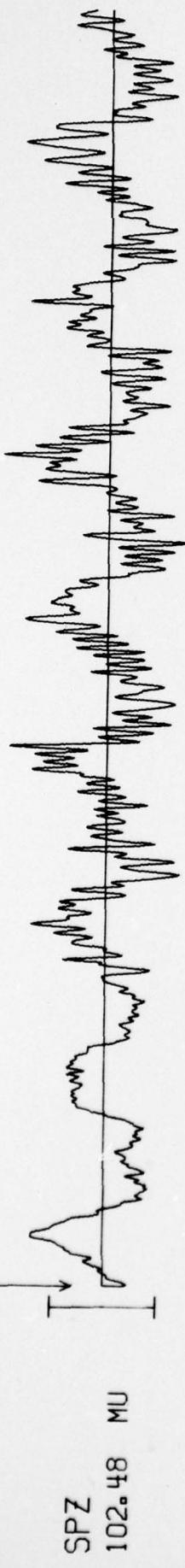


SPZLO 42.00 MU



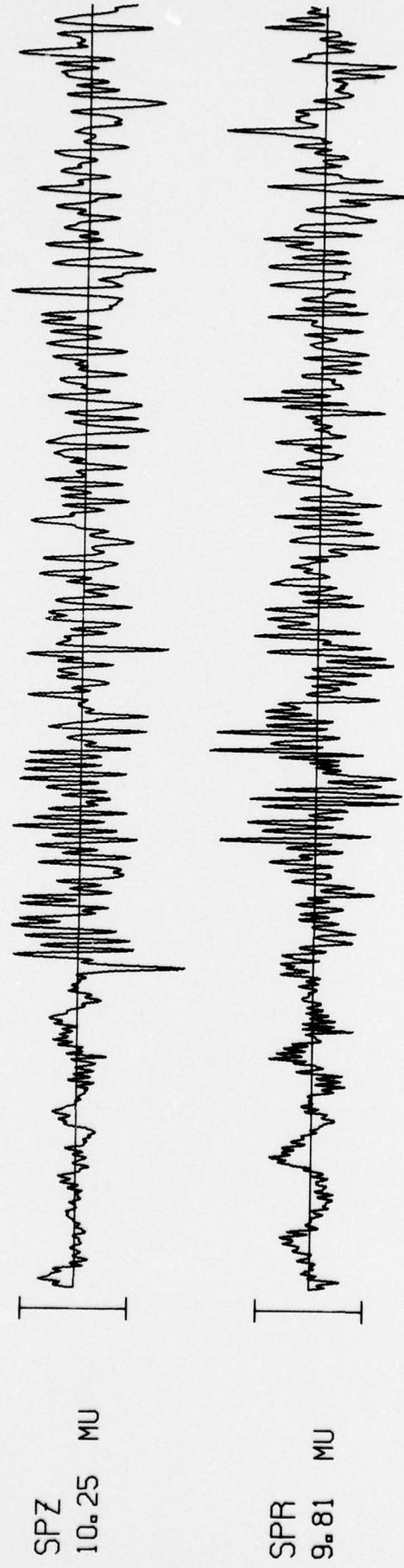
10 SEC

NT-NV 20 OCT 76
08:10:55.0



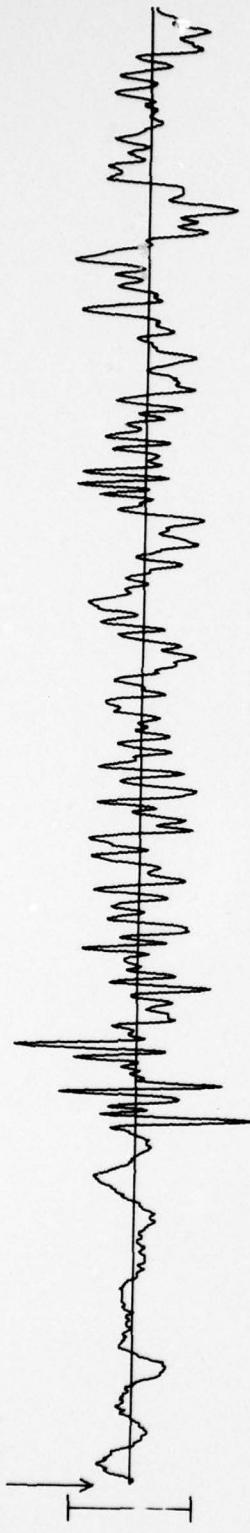
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NT2NV 20 OCT 76

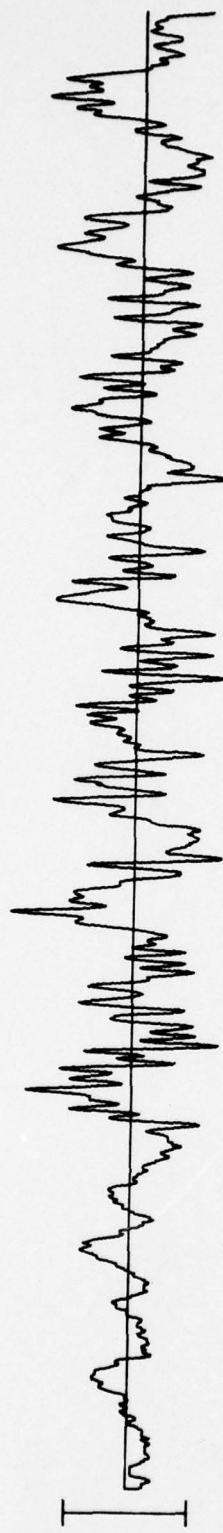


OB2NV 20 OCT 76
08:10:55.0

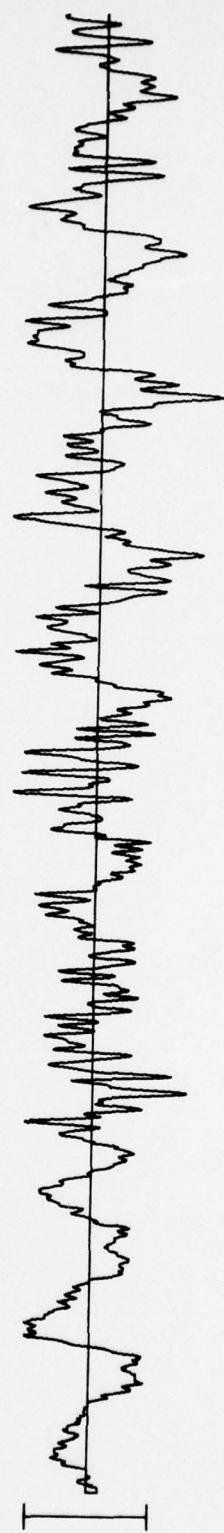
SPZ
4.91 MU



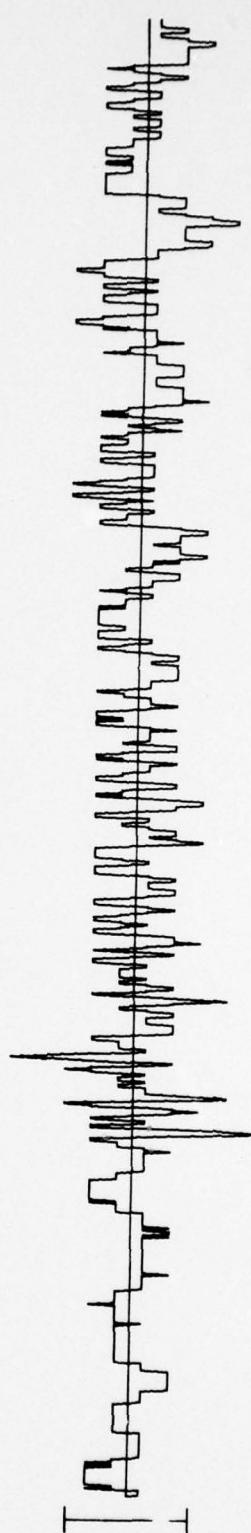
SPR
3.10 MU



SPT
3.02 MU



SPZL0
5.27 MU



10 SEC